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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/777,071	02/13/2004	Hiroshi Sato	NITT.0191 5639	
7590 09/15/2004			EXAMINER	
Stanley P. Fisher			MULPURI, SAVITRI	
Reed Smith LLP Suite 1400		ART UNIT	PAPER NUMBER	
3110 Fairview Park Drive			2812	
Falls Church, VA 22042-4503			DATE MAILED: 09/15/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

Supplemental
Notice of Allowability

Application No.	Applicant(s)	
10/777,071	SATO ET AL.	
Examiner	Art Unit	
Savitri Mulpuri	2812	

	Savitri Mulpuri	2812	
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS (herewith (or previously mailed), a Notice of Allowance (PTOL-85) of NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIC of the Office or upon petition by the applicant. See 37 CFR 1.313	OR REMAINS) CLOSED in this apport of the appropriate communication GHTS. This application is subject to	olication. If not include will be mailed in due	ed course. THIS
1. This communication is responsive to pre.amdt(2/13/2004)ex	<u>xa.amdt(5/27/04)</u> .		
2. X The allowed claim(s) is/are 1-15.			
3. The drawings filed on 13 February 2004 are accepted by the	e Examiner.		
 4. Acknowledgment is made of a claim for foreign priority under a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" of the priority documents have 	been received. been received in Application No uments have been received in this	national stage applica	
noted below. Failure to timely comply will result in ABANDONMETHIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which gives	tted. Note the attached EXAMINER		NOTICE OF
 CORRECTED DRAWINGS (as "replacement sheets") must (a) including changes required by the Notice of Draftspersor 1) hereto or 2 to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.1 each sheet. Replacement sheet(s) should be labeled as such in the paper No./Mail DFORMATION about the deposent attached Examiner's comment regarding REQUIREMENT F. 	on's Patent Drawing Review (PTO- Amendment / Comment or in the C 84(c)) should be written on the drawing he header according to 37 CFR 1.121(c sit of BIOLOGICAL MATERIAL r	Office action of ngs in the front (not the d). nust be submitted.	
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date 2/13/2004 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	5. ☐ Notice of Informal P 6. ☐ Interview Summary Paper No./Mail Dat 8), 7. ☑ Examiner's Amendr 8. ☐ Examiner's Stateme 9. ☐ Other	(PTO-413), te ment/Comment ent of Reasons for Alle Savitri Mulpuri	
		Primary Examiner Art Unit: 2812	

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An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Marquez on 5/28/04.

The application has been amended as follows:

In claim 1, line 10 replace "a" with ---the---

In claim 1, line 11 after "structure" delete "on a plate member disposed"

In claim 2, line 2 replace "a" with -the-

In claim 2, line 3 replace "a" with --- the-

In claim 3, line 2 replace "the plate member is heated and a" with ---the---

In claim 6, line 6 after replace "a" with -the-

In claim 8, line 3 after "method" add---further—

In claim 8, line 7 replace "a" with -the-

In claim 8, line 8 replace "a" with ---the-

In claim 9, line 4 delete "and"

In claim 9, line 10 replace "a" with ---the---

In claim 9, line 10-11 delete "on a plate member disposed "

In claim 10, line 10 replace "a" with ---the-

In claim 10, line 11 delete "on a plate member"

In claim 10, line 16 replace "a" with -the-

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In claim 11, line 5 replace "a" with -the---

In claim 12, line 6 replace "a" with ---the-

In claim 12, line 10 replace "a" with -the--

In claim 13, line 6 replace "a" with -the-

In claim 14, line 3 before "comprises" add -further--

In claim 14, line 7 replace "a" with -the-

In claim 14, line 9 add after "material" add ----, wherein the semiconductor material---

In claim 14, line 9 replace "a" with -the-

In claim 15, line 8 replace "a" with -the-

In claim 15, line 8 delete "on a plate member disposed"

In claim 15, line 14 after "film" add ---, wherein the semiconductor film---

In claim 15, line 14 replace "a" with -the-

In claim15, line 14 after "substrate" add --, and—

In claim 15, line 15 replace "a" with -the--

The following is an examiner's statement of reasons for allowance: Prior art neither teach nor suggest forming layered film with first second and third compound semiconductor layers, wherein second compound layer comprises Al-containing material (as recited in claim 1, 10) or first cladding layer active layer and second cladding layer and at least first cladding layer comprises Al-containing material (as recited in claim 10 and 15), selectively etching layered film and to form three-

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dimensional structure or stripe having sidewall portion in which Al-containing material is exposed to at least part of the side wall portion, placing three-dimensional or stripe structure in crystal growing apparatus and cleaning the sidewall by introducing halogen element-containing gas and then burying a region adjacent to the sidewall with crystal-grown semiconductor material in the crystal growing apparatus.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Savitri Mulpuri whose telephone number is571-272-1677. The examiner can normally be reached on Mon-Fri from 8 to 4.30 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Niebling, can be reached on 571-272-1679. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Savitri Mulpuri Primary Examiner

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